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(54) Title: METHOD FOR THE SEPARATION OF CELL FRACTIONS

(57) Abstract: The present invention relates to a method for the separation of cells, in particular for the preparation of samples in tumor diagnostics. In particular, the present invention relates to a method for sample preparation for the detection of tumor cells of solid tumors in the course of the diagnosis for prognosis and stratification of therapy, comprising the destruction of cells that make this diagnosis more difficult or entirely impossible. Furthermore, the present invention relates to a kit for the preparation of samples and for the detection of the presence of the altered cells. Finally, the present invention relates to the use of the method and the kit in the diagnostics of altered cells such as tumor cells, and the performance of a PCR reaction to detect the tumor cells in body fluids and tissues.